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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/477,082

DATE: 01/30/2001

TIME: 10:49:08

Input Set : A:\seqlist.txt.txt

Output Set: N:\CRF3\01302001\I477082.raw

4 <110> APPLICANT: Kidd, Vincent J.
5 Lahti, Jill M.
6 Teitz, Tal
8 <120> TITLE OF INVENTION: A Tumor Suppressor Protein Involved in Death Signaling, and
9 Diagnostics, Therapeutics, and Screening Based on This Protein
11 <130> FILE REFERENCE: 2427/1E988-US1
13 <140> CURRENT APPLICATION NUMBER: 09/477,082
14 <141> CURRENT FILING DATE: 1999-12-30
16 <150> PRIOR APPLICATION NUMBER: 60/114,308
17 <151> PRIOR FILING DATE: 1998-12-31
19 <160> NUMBER OF SEQ ID NOS: 34
21 <170> SOFTWARE: FastSEQ for Windows Version 3.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 670
25 <212> TYPE: DNA
26 <213> ORGANISM: Human
28 <400> SEQUENCE: 1
29 aagcgctcca agacacgatt gcagaaggaa cacggggttg ccaactgaaa tttgaagaac 60
30 agggccaaag atgggaactc agcctgagca cgggttgatc cggagcaggg ctaagccaaag 120
31 tacgaatgaa ccagaccact tcctcctttt ttcttgaacg atctaccgcg atttcagcca 180
32 cagggtgac tttaccaggt ccggcgaggag ggaggagagg gctggtctgt gacttcagtg 240
33 ctgagggttg atcaaygcaa agggaaaactt cctattccca gaccctttgc aagaaagaat 300
34 ggcataattac ttgcgcgcga caggggttat tattactaaa tggagtcagt ataaatgctt 360
35 tccaataaag catgtccagc gctcgggctt tagtttgac gtccatgaat tgtctgccac 420
36 atccctcttc tgaatgggtt gaattgggca tctctgttcc tttaaacagg aaacatttct 480
37 tgttcgagtg agtcactctt gttctgcttt aggagtaaag ttaccctgc agttccttct 540
38 gtggtgaagt ttctcttttc tctcggagac cagattctgc ctttacgctg gagggagtg 600
39 ttttcacagg ttctcctcct ttatctttt gtgtttttt tcgagccatg ggggttaaat 660
40 aaagcgcttt 670
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 753
44 <212> TYPE: DNA
45 <213> ORGANISM: Human
47 <400> SEQUENCE: 2
48 aattagacgg cgtattgaaa gtaaaagaaa cttcttctct ggagcctttc ccaccccctt 60
49 ccctgctgag cacgtggagt taggcagggt aggggactcg gagactgcga tggtyccagg 120
50 aaaggggtga gcgggtgagt gcctgttgcc aagggtggcct cttcaacagg aaaccacaat 180
51 atttttgttt cttgacttgc tctagaaaca gggctgtggg ggtggggaag caacttggat 240
52 ctgcccctct gaggaacct ctgggtgctgc ctggccagg tctcctgtgt ggtttctctc 300
53 tgagccgatg cctttgactt tgcactttt tcaactctgag cagtctccag ttccctctgt 360
54 acctttttgt cctccaagct tcctgccgc ctccaatgca gatacacgga ctcccttctg 420
55 tggacccgtt tggagagtcg agaagacttt atcaatccac ttttttttct ttttcatttg 480
56 gccctggggg ccgacgggta agtactttat tctgtcattc tctcgaatca cgaatgccct 540
57 gaggtgcaca gcccttttcc cctcttttgc gtcctgaagg ggtttccttt tatgtcttcc 600
58 acccccaccc ttccctctcc ctgccctctg tttttgttgc ccaaaaaaca agttctctaa 660
59 acgttttctg tgtggattcg cggaaaatta acctgcaccc gtttgcaaaa tgaacttttt 720
60 ttttttgatc ctgtacactg gttttttaac ctt 753

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62 <210> SEQ ID NO: 3
63 <211> LENGTH: 879
64 <212> TYPE: DNA
65 <213> ORGANISM: Human
67 <400> SEQUENCE: 3
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69 ctgtgtctgt gttctttttt tctctctgt gctgacagca caatgaccag tacctagtag 120
70 ttgcagtagc ctttgatgaa caagccagca aatggtactt ttcttcctta tctgaacata 180
71 ccatttatatt tgacttagat tatattctcc tgccttttaa aaagatggac ttcagcagaa 240
72 atctttatga tattggggaa caactggaca gtgaagatct ggcctccctc aagttcctga 300
73 gcctgaacta cattccgcaa aggaagcaag aacccatcaa gcatgccttg atgttattcc 360
74 agagacycca ggaagagaga atgttggagg aaagcaatct gtccttcttg aaggagctgc 420
75 tcttcgaat taatagactg gatttgctga ttacctacct aaactactga aaggaggaga 480
76 tggaaaggga acttcagaca ccaggcaggg ctcaaatctc tgcctacagg tgggtggaaa 540
77 ctcccattgt gggactggga ggtgtgggtt gaattggacg cctctgagct gattggggct 600
78 tttttttgtg gtacctgcc tagtgctgg gaaccagca gtgccacaat tctaaagctt 660
79 ctacagaaga cagtagtgcc ttggtgtccc tgetaaaggc tgetaaactt agcttctccc 720
80 caccclagag agagtgggta aacaaaggcg tgagagagaa accaacattc agtatcattt 780
81 gggaggcttt gggaagatgt ccacccggag ccagattaag aaatttaggg gccttatata 840
82 taattctata gaaatgctaa gaccataaaa taaaaattt 879

84 <210> SEQ ID NO: 4
85 <211> LENGTH: 659
86 <212> TYPE: DNA
87 <213> ORGANISM: Human
89 <400> SEQUENCE: 4
90 ccgcgcggtg gccgattcat taatgcagct ggcacgcagg ttcccgact ggaaaagcgg 60
91 gcagtgcgcg caacgcaatt aatgtgagtt agtcactctt aggcactcca tggcccatgc 120
92 cattactggc ttatgttga gggtagcctt tgggataccg gccccctgtg gctccatata 180
93 tcacatggga cttatttggc caagatttct aaagtgtctc catttcccaa ccacaaaggg 240
94 tcatgctcta tcagatttca gaagaagtga gcagatcaga attgaggtct ttaagtttc 300
95 ttttgcaaga ggaatctctc aaatgcaaac tggatgatga catggtgcct gggaaacagca 360
96 ggccacaatt ctaagcttct acagaaaaga cagtagtgcc ttgggtggcc tgctaaaggc 420
97 tgtaaaactt agcttctccc caccctagag agagtgggta aacaaaggcg tgagagagaa 480
98 accacattca gtatcatttg ggaggctttg ggaagatgtc ccaccggagc cagattaaga 540
99 aatttagggg ccttatatat aattctatag aaatgctaag accataaaat aaaaatttat 600
100 ttttcaaaqt gaaacattac ttagagggtat gctgaagtta taatagagtt tttctaagt 659

102 <210> SEQ ID NO: 5
103 <211> LENGTH: 448
104 <212> TYPE: DNA
105 <213> ORGANISM: Human
107 <400> SEQUENCE: 5
108 ggggactggg tgacatctga catggcttct cctttatect ctcaattctg tctttctggg 60
109 ccagaaaaca tggaaatcgct tccctagtag cctgctggct gtgagagacc agcagaaact 120
110 gtcagaaact tgggaagcaa gggcaggtcc ttggttggag aaattggaaa ttaaaaaaaa 180
111 aaatctaata taaaaaccag tagggctcaa tcagattcca actttatttc tctcctctt 240
112 acaacctgct ggatatattc atagagatgg agaaggggt catcctggga gaaggaaagt 300
113 tggacatcct gaaaagagtc tgtgccaaa tcaacaagag cctgctgaag ataatacag 360
114 actatgaaga attcagcaaa gtaccgcaat ttcctatggt ttaacgcagc ataggtcaga 420
115 agggggcctg cgcagctcga taatctgg 448

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117 <210> SEQ ID NO: 6
118 <211> LENGTH: 228
119 <212> TYPE: DNA
120 <213> ORGANISM: Human
122 <400> SEQUENCE: 6
123 cccgcctcta ctaagttttg atagctggca aaatcggcta ccatatcaca ggtgttttta 60
124 gtcaactggt gttcgggggt acccttttgc ttatctgagg agagaagcag cagccttgaa 120
125 ggaagtccctg atgaattttc aaatgttagt taatttacta tctggtacct gcatgtgttc 180
126 tcccttcagc cttctaccac atgcacatct taacgtgcct gctctact 228
128 <210> SEQ ID NO: 7
129 <211> LENGTH: 177
130 <212> TYPE: DNA
131 <213> ORGANISM: Human
133 <400> SEQUENCE: 7
134 cgggtcaccc ttggggtaaa ttttccggg ttttccgag ggggaggagt tgtgtggggt 60
135 aatgacaatc tcygactctc caagagaaca ggatagttaa tcccaggtag cacggaaaac 120
136 ctccaaatcc ttttttttac attacattac agattctagt tttttaattt gtttagct 177
138 <210> SEQ ID NO: 8
139 <211> LENGTH: 784
140 <212> TYPE: DNA
141 <213> ORGANISM: Human
143 <400> SEQUENCE: 8
144 aatattaata tatgtgcaaa gtgttcagga ggcccaggta ttgggacact gactttacaa 60
145 cgatggggca gaagtctgag aggtcctgtg tgaaggaaat aggtagaaac tagttcttcg 120
146 aggaacacgac cccgagtttg ggtggtgcaa tggaaagcaa gtccctctac tagggagttg 180
147 tttgtttaca tctctagtgt ttgaccaca gagtcagctc ctggggtggg tttttgtaat 240
148 ccagactttg gacaaagttt accaaatgaa aagcaaacct cggggatact gtctgatcat 300
149 ccaacaatca caattttgca aaagcacggg agaaagtgc caaacttcac agcattaggg 360
150 acagggaatgg aacacacttg gatgcagggt ggcggggctc gtgagcgtgc cttccaaatt 420
151 cccccaaatg ggagaaaatc cttcttatgc ctatttttt ttaaatcaaa agggatttaa 480
152 catagctata ccaaaagggc catggttcaa gaaaatggat ttaaacatat ttccctgttg 540
153 aggtaaagaa cattcttata catttatcag ttctctgctt tttttaaaaa ttaatttttt 600
154 aaataaaagt aatgtatgta taaatataaa atatcaaatc ttactaaaag acataatgaa 660
155 aagcagtaat aagctttgtt ttgaattcag ctaaatgcac agcgtctctg tggaaatgat 720
156 taggcgatga aaatgctggt gggatcaaa ccttatagag gctgcatttt tacagggttg 780
157 gctg 784
159 <210> SEQ ID NO: 9
160 <211> LENGTH: 771
161 <212> TYPE: DNA
162 <213> ORGANISM: Human
164 <400> SEQUENCE: 9
165 ggtcctttgc ttgtctctcg gtgtcctgca ctctccctct cctgctggtc tgtgottgct 60
166 atagtgtggc gtactgttgc agttttcact ttccaggggct ttgaccacga ctttgaagag 120
167 cttcattttg agatcaagcc ccacgatgac tgcacagtag agcaaatcta tgacattttg 180
168 aaaatctacc aactcatgga ccacagtaac atggactgct tcatctgctg tatcctctcc 240
169 catggagaca agggcatcat ctatggcact gatggacagg agcccccat ctatgagctg 300
170 acatctcagt tcactggttt gaagtgcctt tcccttgcct gaaaacccaa agtgtttttt 360
171 attcaggatt gtcaggggga taactaccag aaaggtatac ctgttgagac tgatttcagag 420
172 gagcaaccct atttagaaat ggatttatca tcacctcaaa cgagatatat cccggatgag 480

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173 gctgactttc tgetggggat ggccactgtg aataactgtg ttctaccga aacctgcag 540
174 aggggaacctg gtacatccag tcactttgcc agagcctgag agagcgatgt cctcggtgag 600
175 ttttgcctac tcagccctcc tcactgttac actaccttcc cccctactc catcacacta 660
176 ctatctactc atattcagag cctattagaa agtgctatgt gatttagatc acattaacag 720
177 gtcagagAAC tgtccaaggg gagtgggttc cgttcaactc taaatgtcta g 771
179 <210> SEQ ID NO: 10
180 <211> LENGTH: 223
181 <212> TYPE: DNA
182 <213> ORGANISM: Human
184 <400> SEQUENCE: 10
185 ctctgtggtc tgtctctggg cccgcaggcc cccagttctc cgtgctttcc ccttcagccg 60
186 tcgcaatagt gtgtgaatag ttgacagagg cgatgatatt ctcaccatcc tgactgaagt 120
187 gaactatgaa gtaagcaaca aggatgacaa gaaaaacatg gggaaacaga tgcctcagcc 180
188 tacttttaca ctaagaaaaa aacttgtctt cccttctgat tga 223
190 <210> SEQ ID NO: 11
191 <211> LENGTH: 5
192 <212> TYPE: PRT
193 <213> ORGANISM: Human
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Xaa at position four is any amino acid.
198 <400> SEQUENCE: 11
199 Gln Ala Cys Xaa Gly
200 1 5
202 <210> SEQ ID NO: 12
203 <211> LENGTH: 8
204 <212> TYPE: PRT
205 <213> ORGANISM: Human
207 <400> SEQUENCE: 12
208 Arg Asn Pro Ala Glu Gly Thr Trp
209 1 5
211 <210> SEQ ID NO: 13
212 <211> LENGTH: 20
213 <212> TYPE: DNA
214 <213> ORGANISM: Human
216 <400> SEQUENCE: 13
217 ggtggagcgg gtgtgggtcg 20
219 <210> SEQ ID NO: 14
220 <211> LENGTH: 23
221 <212> TYPE: DNA
222 <213> ORGANISM: Human
224 <400> SEQUENCE: 14
225 tattttgact tagattatat tct 23
227 <210> SEQ ID NO: 15
228 <211> LENGTH: 22
229 <212> TYPE: DNA
230 <213> ORGANISM: Human
232 <400> SEQUENCE: 15
233 gcctacaggt gggtggaac tc 22
235 <210> SEQ ID NO: 16

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236 <211> LENGTH: 20
237 <212> TYPE: DNA
238 <213> ORGANISM: Human
240 <400> SEQUENCE: 16
241   cccaaccaca aagggtcacg                               20
243 <210> SEQ ID NO: 17
244 <211> LENGTH: 21
245 <212> TYPE: DNA
246 <213> ORGANISM: Human
248 <400> SEQUENCE: 17
249   gatgacatgg tgcctgggaa c                               21
251 <210> SEQ ID NO: 18
252 <211> LENGTH: 21
253 <212> TYPE: DNA
254 <213> ORGANISM: Human
256 <400> SEQUENCE: 18
257   ttctcctcct cttacaacct g                               21
259 <210> SEQ ID NO: 19
260 <211> LENGTH: 22
261 <212> TYPE: DNA
262 <213> ORGANISM: Human
264 <400> SEQUENCE: 19
265   ttcagcaaag taccgcaatt tc                               22
267 <210> SEQ ID NO: 20
268 <211> LENGTH: 21
269 <212> TYPE: DNA
270 <213> ORGANISM: Human
272 <400> SEQUENCE: 20
273   ttgaccttat ctgaggagag a                               21
275 <210> SEQ ID NO: 21
276 <211> LENGTH: 23
277 <212> TYPE: DNA
278 <213> ORGANISM: Human
280 <400> SEQUENCE: 21
281   tcaaatgtta gtttaatttac tat                             23
283 <210> SEQ ID NO: 22
284 <211> LENGTH: 23
285 <212> TYPE: DNA
286 <213> ORGANISM: Human
288 <400> SEQUENCE: 22
289   tcccgggttt tcccgagggg gag                             23
291 <210> SEQ ID NO: 23
292 <211> LENGTH: 21
293 <212> TYPE: DNA
294 <213> ORGANISM: Human
296 <400> SEQUENCE: 23
297   tcacaggtag cacggaaaac c                               21
299 <210> SEQ ID NO: 24
300 <211> LENGTH: 22

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VERIFICATION SUMMARY

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Input Set : A:\seqlist.txt.txt

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L:199 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:11
L:199 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:11
L:199 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:11